Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/28/2021 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124809	-1	1.26	124715	1.25
Blue	F	SSC	125000	123056	-2	2.81	123334	2.67
Blue	E	FITC	13131	12809	-3	2.24	296	14.90
Blue	D	PE	24112	23713	-2	1.63	545	10.42
Blue	B	PerCP-Cy5-5	31295	30594	-3	2.99	1016	14.08
Blue	A	PE-Cy7	19939	19717	-2	5.11	525	28.05
Red	C	APC	42122	41734	-1	2.96	1756	10.99
Red	A	APC-Cy7	22340	21758	-3	3.31	813	11.75
Violet	B	V450	7410	7109	-5	3.95	438	12.82
Violet	A	V500	28118	26933	-5	3.50	675	10.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23198	0.90	563	-6	N/A	N/A	Pass
Blue	F	SSC	57411	1.18	514	2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	483	-4	0.0481	150	Pass
Blue	D	PE	115	36.61	485	-3	0.4875	372	Pass
Blue	B	PerCP-Cy5-5	190	35.41	580	-6	0.0216	107	Pass
Blue	A	PE-Cy7	106	65.23	622	-6	0.0239	0	Pass
Red	C	APC	405	23.60	576	0	0.0312	262	Pass
Red	A	APC-Cy7	182	26.69	549	-2	0.0060	537	Pass
Violet	B	V450	61	66.72	457	4	0.0650	2922	Pass
Violet	A	V500	98	38.61	468	3	0.0279	1732	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.91	-31.66	1.02
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.55	13.60 - 20.40	N/A	N/A	30.09	30.33	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10912

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments